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## Listing of the Claims:

The following is a complete listing of all the claims in the application, with an indication of the status of each:

1	Claima	1 10	(C- 1 1)
ı.	Cialillis	1-12	(Canceled)

- 1 Claim 13 (previously presented). A computer implemented method for 2 creating or manipulating one or more drawings or sets of formatted data representing a physical environment, comprising the steps of: 3 a) using a computer for creating, formatting, editing or 4 5 manipulating one or more objects defining an environment in which an inbuilding or campus communications network may be deployed, said 6 environment having one or more of floors, walls, partitions, buildings, 7 building complexes or compounds, terrain, foliage, or other sites or 8 9 obstructions: 10 b) grouping a number of said one or more objects into at least one 11 editable layer; 12 c) verifying, using a computer, the sufficiency of said one or more objects to ensure a useful definition of said environment and notifying a 13 user of results of said verification of sufficiency; 14 15 d) generating at least one formatted drawing or at least one set of 16 formatted data containing computer representations of said one or more objects in a form transportable to and usable by a communications 17 18 engineering or network management application; and
  - Claim 14 (previously presented). The method of claim 13 further comprising the step of adding or editing at least one object in said at least one editable layer or in said at least one formatted drawing or in at least one set of formatted data.

e) rendering a three-dimensional view of said environment.

1	Claim 15 (Currently amended). The method of claim 13 further
2	comprising the step of moving at least one object in said at least one one
3	editable layer or in said at least one formatted drawing or in at least one set
4	of formatted data.
1	Claim 16 (previously presented). The method of claim 13 further
2	comprising the step of modifying at least one object in said at least one
3	editable layer or in said at least one formatted drawing or in at least one set
4	of formatted data.
1	Claim 17 (Currently amended). The method of claim 13 wherein said step
2	of a) includes the step of removing extraneous objects from said one or
3	more objects or from said at least one formatted drawing or in from at least
4	one set of formatted data.
1	Claim 18 (Currently amended). The method of claim 13 wherein said step
2	a) includes the step of tracing and adding a traced object to said one or
3	more objects or more objects or to from said at least one formatted
4	drawing or to in at least one set of formatted data.
1	Claim 19 (previously presented) The method of claim 13 wherein said
2	step a) includes the step of modifying one or more objects or one of
3	electrical properties, physical properties, aesthetic properties, or spatial
4	configurations of one or more objects.
1	Claim 20 (previously presented). The method of claim 13 wherein said
2	notifying performed in said verifying and notifying step is performed in an
3	automatic fashion without feedback being provided to the user.

equipment.

1	Claim 21 (previously presented). The method of claim 13 wherein said
2	notifying performed in said verifying and notifying step is performed by
3	prompting the user and, when required to provide said useful definition,
4	requires the user to correct any insufficiencies in response to an
5	insufficiency notification.
1	Claim 22 (previously presented). The method of claim 13 wherein said
2	communications engineering or network management application is
3	selected from the group consisting of wireless propagation models,
4	measurement tools, component placement or layout visualization tools,
5	optimization tools, bill of materials generating tools, asset management
6	tools, and network performance management or prediction tools.
1	Claim 23 (previously presented). The method of claim 13 further
2	comprising the step of scaling at least part of said at least one formatted
3	drawing or said at least one set of formatted data or at least one object of
4	said one or more objects.
1	Claim 24 (previously presented). The method of claim 13 further
2	comprising the step of adding measurement data to said at least one of said
3	one or more objects or said at least one formatted drawing or said at least
4	one set of formatted data.
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1	Claim 25 (previously presented). The method of claim 13 further
2	comprising the step of specifying or invoking a propagation model for
3	performing predictions of performance.
1	Claim 26 (manipulation 1)
1	Claim 26 (previously presented). The method of claim 13 further
2	comprising the step of specifying or invoking a listing of communications
3	equipment.

1	Claim 27 (previously presented). An apparatus for creating or
2	manipulating one or more drawings or sets of formatted data representing a
3	physical environment, comprising:
4	computer implemented means for creating, formatting, editing or
5	manipulating one or more objects defining an environment in which an in-
6	building or campus communications network may be deployed, said
7	environment having one or more of floors, walls, partitions, buildings,
8	building complexes or compounds, terrain, foliage or other sites or
9	obstructions;
10	means for grouping a number of objects into at least one editable
11	layer;
12	means for verifying, using a computer, the sufficiency of said one
13	or more objects to ensure a useful definition of said environment and
14	notifying a user of results of said verification of sufficiency;
15	means for generating at least one formatted drawing or at least one
16	set of formatted data containing computer representations of said one or
17	more objects in a form transportable to and usable by a communications
18	engineering or network management application; and
19	means for rendering a three dimensional view of said environment.
1	Claim 28 (previously presented). The apparatus of claim 27 further
2	comprising a means for adding or editing at least one object in said at least
3	one editable layer or in said at least one formatted drawing or said at least
4	one set of formatted data.
1	Claim 29 (previously presented). The apparatus of claim 27 further
2	comprising a means for moving at least one object in said at least one
3	editable layer or in said at least one formatted drawing or said at least one
4	set of formatted data.

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Claim 30 (Currently amended). The apparatus of claim 27 further

2	comprising a means for modifying an object in said at least one editable
3	layer or in said at least one formatted drawing or said at least one set of
4	formatted data in said one layer of grouped objects.
1	Claim 31 (Currently amended). The apparatus of claim 27 further
2	comprising a means for removing extraneous objects from said one or
3	more objects or from said at least one formatted drawing or from in at least
4	one set of formatted data.
1	Claim 32 (Currently amended). The apparatus of claim 27 further
2	comprising a means for tracing and a means for adding a traced object to
3	said one or more objects or to said at least one formatted drawing or to said
4	in-at least one set of formatted data.
1	Claim 33 (previously presented). The apparatus of claim 27 further
2	comprising a means for modifying one or more objects or one or more of
3	electrical properties, physical properties, aesthetic properties, and spatial
4	configurations of one or more objects.
1	Claim 34 (previously presented). The apparatus of claim 27 wherein
2	notifying performed by said means for verifying and notifying is performed
3	in an automatic fashion without feedback being provided to the user.
l	Claim 35 (previously presented). The apparatus of claim 27 wherein
2	notifying performed by said means for verifying and notifying is performed
3	by prompting the user and, when required to provide said useful definition,
1	requires the user to correct any insufficiencies in response to an
5	insufficiency notification.

1	Claim 36 (previously presented). The apparatus of claim 27 wherein said
2	communications engineering or network management application is
3	selected from the group consisting of wireless propagation models,
4	measurement tools, component placement or layout visualization tools,
5	optimization tools, bill of materials generating tools, asset management
6	tools, and network performance management or prediction tools.
1	Claim 37 (previously presented). The apparatus of claim 27 further
2	comprising a means for scaling at least part of said at least one formatted
3	drawing or said at least one set of formatted data or at least one object of
4	said one or more objects.
1	Claim 38 (previously presented). The apparatus of claim 27 further
2	comprising a means for adding measurement data to at least one of said
3	one or more objects or said at least one formatted drawing or said at least
4	one set of formatted data.
1	Claim 39 (previously presented). The apparatus of claim 27 further
2	comprising means for specifying or invoking a propagation model for
3	performing predictions of performance.
1	Claim 40 (previously presented). The apparatus of claim 27 further
2	comprising a means for specifying or invoking a listing of communications
3	equipment.